

Mr. Larry Martindale  
Dana Corporation - Spicer Axle Division  
501 West Railroad Avenue  
Syracuse, IN 46567

Re: 085-12066  
Notice-only change to  
MSOP 085-10675-00033

Dear Mr. Martindale:

Dana Corporation - Spicer Axle Division was issued a permit on January 24, 2000, for an axle component production and assembly operation. A letter notifying the Office of Air Management of typographical errors in the permit was received on March 21, 2000. The changes requested in this letter are based on previous comments made during the public notice period of the permit which were intended to correct various errors in the original draft. These comments were addressed in the subsequent addendum to the technical support document; however, several of the revisions that were made to the emission unit descriptions in the addendum and the issued permit did not accurately reflect the changes requested. Therefore, pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby further revised to correct these errors as follows (bold emphasis added to new language):

1. The throughput in the emission unit description in Item (cc) of Section A.2 on Page 6 of the permit has been changed as follows:

A.2 (cc) One (1) flowcoater, known as flowcoater #1, installed in 1995, exhausted to S7, equipped with dry filters for particulate overspray control, capacity: 1,500 axles per hour **day**.

2. The emission unit description in Item (vv) of Section A.2 on Page 7 of the permit has been changed as follows:

A.2 (vv) ~~One (1)~~ **Two (2)** metal inert gas (MIG) welders, known as MIG 3-76-47 and 3-76-49, installed in 1996, exhausted to baghouse A, capacity 50 pounds of wire per day.

3. The emission unit description in Item (ww) of Section A.2 on Page 7 of the permit has been changed as follows:

A.2 (ww) One (1) intershield welder, known as INT 3-76-25, installed in 1987, exhausted to baghouse E **D**, capacity 100 pounds of wire per day.

4. The emission unit description in Item (ddd) of Section A.2 on Page 7 of the permit has been changed as follows:

- A.2 (ddd) Two (2) intershield welders, known as INT 3-76-64 and 3-76-66, installed in 1998, exhausted to baghouse ~~C and D~~ **D and C** respectively, capacity 100 pounds of wire per day, each.
5. The emission unit description in Item (mmm) of Section A.2 on Page 8 of the permit has been changed as follows:
- A.2 (mmm) One (1) milling machine, known as 1-53-23, capacity: ~~895~~ **857** pounds per hour.
6. The emission unit description in Item (vvv) of Section A.2 on Page 8 of the permit has been changed as follows:
- A.2 (vvv) Four (4) buffing machines, known as 2-11-2, 2-11-4, 1-61-87 and 1-61-91, one ~~40~~ **(1)** buffing machine exhausts to S57 capacity: 700 pounds per hour, each.
7. The emission unit descriptions (vv), (ww) and (ddd) at the beginning of Section D.2 on Page 21 of the permit have been revised consistent the changes to the corresponding descriptions in Section A.2 outlined in Nos. 2, 3 and 4, above.
8. Condition D.2.1 on Page 22 of the permit has been revised as follows to account for the fact that the cumulative process weight rate for all the welders totals 179.2 pounds per hour:
- D.2.1 Particulate Matter (PM) [326 IAC 6-3]  
Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the welding facilities shall not exceed ~~0.777~~ **0.814** pounds per hour when operating at a process weight rate of ~~167~~ **179.2** pounds of welding wire per hour.
- The pounds per hour limitation was calculated with the following equation:
- Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:
- $$E = 4.10 P^{0.67} \quad \text{where} \quad \begin{array}{l} E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.} \end{array}$$
9. The emission unit description (cc) at the beginning of Section D.3 on Page 24 of the permit has been revised consistent the change to the corresponding description in Section A.2 outlined in No. 1, above.
10. The emission unit descriptions (mmm) and (vvv) at the beginning of Section D.4 on Page 26 of the permit have been revised consistent the changes to the corresponding descriptions in Section A.2 outlined in Nos. 4 and 5, above.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Janusz Johnson, at (800) 451-6027, press 0 and ask for extension 2-8325, or dial (317) 232-8325.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachment - Revised Permit Pages (8 pages)

JKJ

cc: File - Kosciusko County  
U.S. EPA, Region V  
Kosciusko County Health Department  
Northern Regional Office (NRO)  
Air Compliance Section Inspector - Doyle Houser  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

# **MINOR SOURCE OPERATING PERMIT OFFICE OF AIR MANAGEMENT**

**Dana Corporation - Spicer Axle Division  
501 West Railroad Avenue  
Syracuse, Indiana 46567**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 085-10675-00033	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: January 24, 2000
First Notice-Only Change: 085-12066	Pages Affected: 6, 7, 8, 21, 22, 24 and 26
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

thermal unit per hour, each.

- (x) One (1) natural gas fired space heater, known as space heater #19 installed in 1991, exhausted to stack S24, rated at 0.112 million British thermal unit per hour.
- (y) Two (2) natural gas fired space heaters, known as space heater #20 and #24 installed in 1979, exhausted to stacks S26 and S48 respectively, rated at 0.10 million British thermal unit per hour, each.
- (z) One (1) natural gas fired space heater, known as space heater #21 installed in 1991, exhausted to stack S27, rated at 0.12 million British thermal unit per hour.
- (aa) One (1) natural gas fired space heater, known as space heater #23 installed before 1977, exhausted to stack S46, rated at 0.10 million British thermal unit per hour.
- (bb) One (1) natural gas fired space heater, known as space heater #25 installed in 1998, exhausted to stacks S54, rated at 0.30 million British thermal unit per hour.
- (cc) One (1) flowcoater, known as flowcoater #1, installed in 1995, exhausted to S7, equipped with dry filters for particulate overspray control, capacity: 1,500 axles per day.
- (dd) One (1) waste water treatment system, known as wastewater treatment, installed in 1985, equipped with scrubber F, capacity: 7,000 gallons per day.
- (ee) Six (6) metal inert gas (MIG) welders, known as MIG 3-76-72, 3-76-67, 3-76-69, 3-76-70, 3-76-68 and 3-76-71, installed in 1998, exhausted to baghouse C, capacity 125 pounds of wire per day, each.
- (ff) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-58 and 3-76-53, installed in 1997, exhausted to baghouse E, capacity 125 pounds of wire per day, each.
- (gg) One (1) metal inert gas (MIG) welder, known as MIG 3-76-73, installed in 1998, exhausted to baghouse A, capacity 125 pounds of wire per day.
- (hh) One (1) metal inert gas (MIG) welder, known as MIG 3-76-55, installed in 1996, exhausted to baghouse C, capacity 125 pounds of wire per day.
- (ii) Three (3) metal inert gas (MIG) welders, known as MIG 3-76-34, 3-76-33 and 3-76-35, installed in 1992, exhausted to baghouse B, capacity 100 pounds of wire per day, each.
- (jj) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-48 and 3-76-46, installed in 1996, exhausted to baghouse A, capacity 100 pounds of wire per day, each.
- (kk) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-62 and 3-76-60, installed in 1998, exhausted to baghouse B, capacity 100 pounds of wire per day, each.
- (ll) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-63 and 3-76-65, installed in 1998, exhausted to baghouse D, capacity 100 pounds of wire per day, each.
- (mm) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-57 and 3-76-61, installed in 1997, exhausted to baghouse D, capacity 100 pounds of wire per day, each.

- (nn) One (1) metal inert gas (MIG) welder, known as MIG 3-76-43, installed in 1995, exhausted to baghouse B, capacity 100 pounds of wire per day.
- (oo) One (1) metal inert gas (MIG) welder, known as MIG 3-76-40, installed in 1994, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (pp) One (1) metal inert gas (MIG) welder, known as MIG of 3-76-44, installed in 1996, exhausted to baghouse E, capacity 100 pounds per wire per day.
- (qq) One (1) metal inert gas (MIG) welder, known as MIG 3-76-52, installed in 1996, exhausted to baghouse B, capacity 100 pounds of wire per day.
- (rr) One (1) metal inert gas (MIG) welder, known as MIG 3-76-45, installed in 1995, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (ss) One (1) metal inert gas (MIG) welder, known as MIG 3-76-54, installed in 1996, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (tt) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-37 and 3-76-36, installed in 1993, exhausted to baghouse D, capacity 50 pounds of wire per day, each.
- (uu) One (1) metal inert gas (MIG) welder, known as MIG 3-76-41, installed in 1994, exhausted to baghouse E, capacity 50 pounds of wire per day.
- (vv) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-47 and 3-76-49, installed in 1996, exhausted to baghouse A, capacity 50 pounds of wire per day.
- (ww) One (1) intershield welder, known as INT 3-76-25, installed in 1987, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (xx) Two (2) intershield welders, known as INT 1-73-1 and 1-73-2, installed in 1988, exhausted to baghouse C and D respectively, capacity 100 pounds of wire per day, each.
- (yy) One (1) intershield welder, known as INT 1-73-4, installed in 1993, exhausted to baghouse A, capacity 100 pounds of wire per day.
- (zz) One (1) intershield welder, known as INT3-76-39, installed in 1994, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (aaa) One (1) intershield welder, known as INT 3-76-42, installed in 1995, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (bbb) Two (2) intershield welders, known as INT 3-76-50 and 3-76-51, installed in 1996, exhausted to baghouse D, capacity 100 pounds of wire per day, each.
- (ccc) One (1) intershield welder, known as INT 3-76-59, installed in 1997, exhausted to baghouse A, capacity 100 pounds of wire per day.
- (ddd) Two (2) intershield welders, known as INT 3-76-64 and 3-76-66, installed in 1998, exhausted to baghouse D and C respectively, capacity 100 pounds of wire per day, each.
- (eee) One (1) gasoline storage tank, known as T1, installed in 1980, capacity: 2,000 gallons.

- (fff) Three (3) empty fuel oil storage tanks, known as T3 through T5, installed in 1952, capacity: 12,000 gallons, each.
- (ggg) One (1) hydraulic oil storage tank, known as T7, installed in 1980, capacity: 10,000 gallons.
- (hhh) One (1) cutting oil storage tank, known as T8, installed in 1980, capacity: 10,000 gallons.
- (iii) One (1) sulfuric acid storage tank, known as T9, installed in 1985, capacity: 10,000 gallons.
- (jjj) One (1) magnesium hydroxide storage tank, known as T10, installed in 1985, capacity: 10,000 gallons.
- (kkk) One (1) quenching operation, known as quenching, installed in 1984, capacity: 30,000 gallons per year.
- (lll) Five (5) milling machines, known as 1-50-36, 1-50-37, 2-50-6, 2-50-7 and 2-50-8, capacity: 397 pounds per hour, each.
- (mmm) One (1) milling machine, known as 1-53-23, capacity: 857 pounds per hour.
- (nnn) One (1) milling machine, known as 1-53-11, capacity: 1,282 pounds per hour.
- (ooo) One (1) milling machine, known as 1-53-16, capacity: 1,244 pounds per hour.
- (ppp) One (1) milling machine, known as 1-53-18, capacity: 1,809 pounds per hour.
- (qqq) One (1) milling machine, known as 1-53-22, capacity: 2,829 pounds per hour.
- (rrr) One (1) boring machine, known as 3-77-2, capacity: 929 pounds per hour.
- (sss) One (1) boring machine, known as 3-77-3, capacity: 768 pounds per hour.
- (ttt) One (1) boring machine, known as 3-77-4, capacity: 910 pounds per hour.
- (uuu) Five (5) de-burring machines, capacity: 812 per hour, each.
- (vvv) Four (4) buffing machines, known as 2-11-2, 2-11-4, 1-61-87 and 1-61-91, one (1) buffing machine exhausts to S57 capacity: 700 pounds per hour, each.

**SECTION D.2**

**EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description - Welding**

- (ee) Six (6) metal inert gas (MIG) welders, known as MIG 3-76-72, 3-76-67, 3-76-69, 3-76-70, 3-76-68 and 3-76-71, installed in 1998, exhausted to baghouse C, capacity 125 pounds of wire per day, each.
- (ff) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-58 and 3-76-53, installed in 1997, exhausted to baghouse E, capacity 125 pounds of wire per day, each.
- (gg) One (1) metal inert gas (MIG) welder, known as MIG 3-76-73, installed in 1998, exhausted to baghouse A, capacity 125 pounds of wire per day.
- (hh) One (1) metal inert gas (MIG) welder, known as MIG 3-76-55, installed in 1996, exhausted to baghouse C, capacity 125 pounds of wire per day.
- (ii) Three (3) metal inert gas (MIG) welders, known as MIG 3-76-34, 3-76-33 and 3-76-35, installed in 1992, exhausted to baghouse B, capacity 100 pounds of wire per day, each.
- (jj) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-48 and 3-76-46, installed in 1996, exhausted to baghouse A, capacity 100 pounds of wire per day, each.
- (kk) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-62 and 3-76-60, installed in 1998, exhausted to baghouse B, capacity 100 pounds of wire per day, each.
- (ll) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-63 and 3-76-65, installed in 1998, exhausted to baghouse D, capacity 100 pounds of wire per day, each.
- (mm) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-57 and 3-76-61, installed in 1997, exhausted to baghouse D, capacity 100 pounds of wire per day, each.
- (nn) One (1) metal inert gas (MIG) welder, known as MIG 3-76-43, installed in 1995, exhausted to baghouse B, capacity 100 pounds of wire per day.
- (oo) One (1) metal inert gas (MIG) welder, known as MIG 3-76-40, installed in 1994, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (pp) One (1) metal inert gas (MIG) welder, known as MIG of 3-76-44, installed in 1996, exhausted to baghouse E, capacity 100 pounds per wire per day.
- (qq) One (1) metal inert gas (MIG) welder, known as MIG 3-76-52, installed in 1996, exhausted to baghouse B, capacity 100 pounds of wire per day.
- (rr) One (1) metal inert gas (MIG) welder, known as MIG 3-76-45, installed in 1995, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (ss) One (1) metal inert gas (MIG) welder, known as MIG 3-76-54, installed in 1996, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (tt) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-37 and 3-76-36, installed in 1993, exhausted to baghouse D, capacity 50 pounds of wire per day, each.
- (uu) One (1) metal inert gas (MIG) welder, known as MIG 3-76-41, installed in 1994, exhausted to baghouse E, capacity 50 pounds of wire per day.
- (vv) Two (2) metal inert gas (MIG) welders, known as MIG 3-76-47 and 3-76-49, installed in 1996, exhausted to baghouse A, capacity 50 pounds of wire per day.
- (ww) One (1) intershield welder, known as INT 3-76-25, installed in 1987, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (xx) Two (2) intershield welders, known as INT 1-73-1 and 1-73-2, installed in 1988, exhausted to baghouse C and D respectively, capacity 100 pounds of wire per day, each.
- (yy) One (1) intershield welder, known as INT 1-73-4, installed in 1993, exhausted to baghouse A, capacity 100 pounds of wire per day.
- (zz) One (1) intershield welder, known as INT 3-76-39, installed in 1994, exhausted to baghouse E, capacity 100 pounds of wire per day.
- (aaa) One (1) intershield welder, known as INT 3-76-42, installed in 1995, exhausted to baghouse D, capacity 100 pounds of wire per day.
- (bbb) Two (2) intershield welders, known as INT 3-76-50 and 3-76-51, installed in 1996, exhausted to baghouse D, capacity 100 pounds of wire per day, each.
- (ccc) One (1) intershield welder, known as INT 3-76-59, installed in 1997, exhausted to baghouse A, capacity 100 pounds of wire per day.
- (ddd) Two (2) intershield welders, known as INT 3-76-64 and 3-76-66, installed in 1998, exhausted to baghouse D and C respectively, capacity 100 pounds of wire per day, each.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.



### **Emission Limitations and Standards [326 IAC 2-6.1-5(1)]**

#### **D.2.1 Particulate Matter (PM) [326 IAC 6-3]**

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the welding facilities shall not exceed 0.814 pounds per hour when operating at a process weight rate of 179.2 pounds of welding wire per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where} \quad \begin{array}{l} E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.} \end{array}$$

### **Compliance Determination Requirements [326 IAC 2-1.1-11]**

#### **D.2.2 Particulate Matter (PM)**

The baghouses for PM control shall be in operation at all times when the welding units are in operation.

### **Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]**

#### **D.2.3 Visible Emissions Notations**

- (a) Daily visible emission notations of the each baghouse's exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

#### **D.2.4 Baghouse Inspections**

An inspection shall be performed each calendar quarter of all bags controlling the welding operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

### SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description - Flowcoater

- (cc) One (1) flowcoater, known as flowcoater #1, installed in 1995, exhausted to S7, equipped with dry filters for particulate overspray control, capacity: 1,500 axles per day.
- (dd) One (1) waste water treatment system, known as wastewater treatment, installed in 1985, equipped with scrubber F, capacity: 7,000 gallons per day.
- (eee) One (1) gasoline storage tank, known as T1, installed in 1980, capacity: 2,000 gallons.
- (fff) Three (3) empty fuel oil storage tanks, known as T3 through T5, installed in 1952, capacity: 12,000 gallons, each.
- (ggg) One (1) hydraulic oil storage tank, known as T7, installed in 1980, capacity: 10,000 gallons.
- (hhh) One (1) cutting oil storage tank, known as T8, installed in 1980, capacity: 10,000 gallons.
- (iii) One (1) sulfuric acid storage tank, known as T9, installed in 1985, capacity: 10,000 gallons.
- (jjj) One (1) magnesium hydroxide storage tank, known as T10, installed in 1985, capacity: 10,000 gallons.
- (kkk) One (1) quenching operation, known as quenching, installed in 1984, capacity: 30,000 gallons per year

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### Emission Limitations and Standards [326 IAC 2-6.1-5(1)]

##### D.3.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the flowcoater operation shall be limited by the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.}$$

##### D.3.2 Volatile Organic Compounds (VOC)

Any change or modification which may increase potential VOC emissions to fifteen (15) pounds per day from the flowcoater operation shall obtain prior approval from IDEM, OAM and subject the flowcoater operation to the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating) before such change may occur.

#### Compliance Determination Requirements [326 IAC 2-1.1-11]

##### D.3.3 Volatile Organic Compounds (VOC)

Compliance with the VOC usage limitations contained in Condition D.3.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

#### Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

##### D.3.4 Record Keeping Requirements

- (a) To document compliance with Condition D.3.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.3.2.

## SECTION D.4

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description - Milling machines, Boring machines, De-burring machines and Buffing machines

- (III) Five (5) milling machines, known as 1-50-36, 1-50-37, 2-50-6, 2-50-7 and 2-50-8, capacity: 397 pounds per hour, each.
- (mmm) One (1) milling machine, known as 1-53-23, capacity: 857 pounds per hour.
- (nnn) One (1) milling machine, known as 1-53-11, capacity: 1,282 pounds per hour.
- (ooo) One (1) milling machine, known as 1-53-16, capacity: 1,244 pounds per hour.
- (ppp) One (1) milling machine, known as 1-53-18, capacity: 1,809 pounds per hour.
- (qqq) One (1) milling machine, known as 1-53-22, capacity: 2,829 pounds per hour.
- (rrr) One (1) boring machine, known as 3-77-2, capacity: 929 pounds per hour.
- (sss) One (1) boring machine, known as 3-77-3, capacity: 768 pounds per hour.
- (ttt) One (1) boring machine, known as 3-77-4, capacity: 910 pounds per hour.
- (uuu) Five (5) de-burring machines, capacity: 812 per hour, each.
- (vvv) Four (4) buffing machines, known as 2-11-2, 2-11-4, 1-61-87 and 1-61-91, one (1) buffing machine exhausts to S57 capacity: 700 pounds per hour, each.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.

### Emission Limitations and Standards [326 IAC 2-6.1-5(1)]

#### D.4.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the milling machines, boring machines, de-burring machines and buffing machines shall be limited by the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where} \quad E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.}$$

### Compliance Determination Requirement [326 IAC 2-1.1-11]

#### D.4.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions unit by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.4.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.